

What is claimed is

1. A bone-filling composition for stimulating bone-formation and bone-consolidation comprising
  - 5 1) 20~80 weight% of mixture containing  $\text{CaSO}_4$  (90~99 weight%) and  $\text{CaCO}_3$ ,  $\text{MgCO}_3$ ,  $\text{CaCO}_3 \cdot \text{MgCO}_3$  (1~10 weight%); and
  - 2) 80~20 weight% of viscous biopolymer.
- 10 2. The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the composition comprises  $\text{CaSO}_4$  98~99 weight%,  $\text{CaCO}_3$  0.3~1 weight%,  $\text{MgCO}_3$  0.3~1 weight% and  $\text{CaCO}_3 \cdot \text{MgCO}_3$  0.5~1 weight%.
- 15 3. The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the viscous biopolymer is selected from a group consisting of
  - 20 carboxymethylcellulose, hyaluronic acid, chitosan, polyacrylic acids, polyvinyl ethers, polystyrenes, cellulose ethers, cellulose esters, starches and polysaccharides.

4. The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 3, wherein the viscous biopolymer is carboxymethylcellulose.

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5. The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the ratio of calcium sulfate to viscous biopolymer is 50:50.

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6. The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the composition is a gel type.

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